

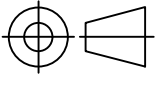
REVISION HISTORY					
REV	DATE	DESCRIPTION	AUTHOR	CHECKED BY	APPROVED
A	5/28/19	INITIAL RELEASE	ZA	LS	ZA

Paravion<sup>®</sup> Technology Inc.

DIMENSIONS IN INCHES  
TOLERANCES EXCEPT  
WHERE NOTED:  
.X = ±.1  
.XX = ±.05  
.XXX = ±.010  
ANGLES=± 1°

THREADS:  
INTERNAL: CLASS 2B  
EXTERNAL: CLASS 2A

3RD ANGLE  
PROJECTION



DRAWN BY  
ZA

CHK'D BY

APRVD. BY

DATE  
7/30/18

DO NOT SCALE DRAWING

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PARAVION TECHNOLOGY INC.

DRAWING NUMBER  
505AC-5433

REV  
A

ECO

SHEET  
1 OF 10

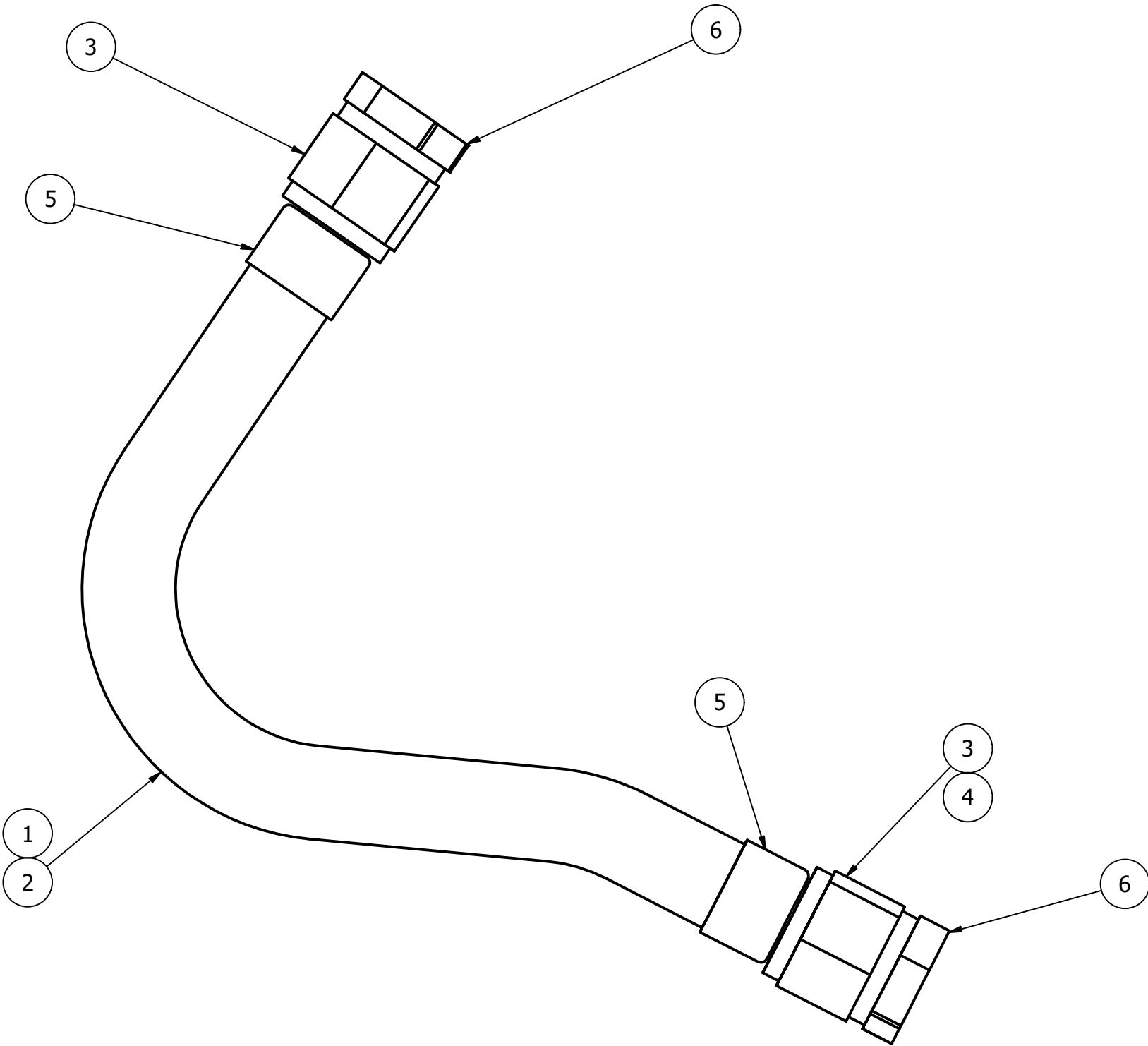
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PROTO

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5433-17	1/2" TUBE
2	1	505AC-5433-18	FIRESLEEVE
3	2	AN818-8D	NUT
4	2	AN819-8D	SLEEVE
5	2	ES39502-2	FERRULE
6	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:  
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

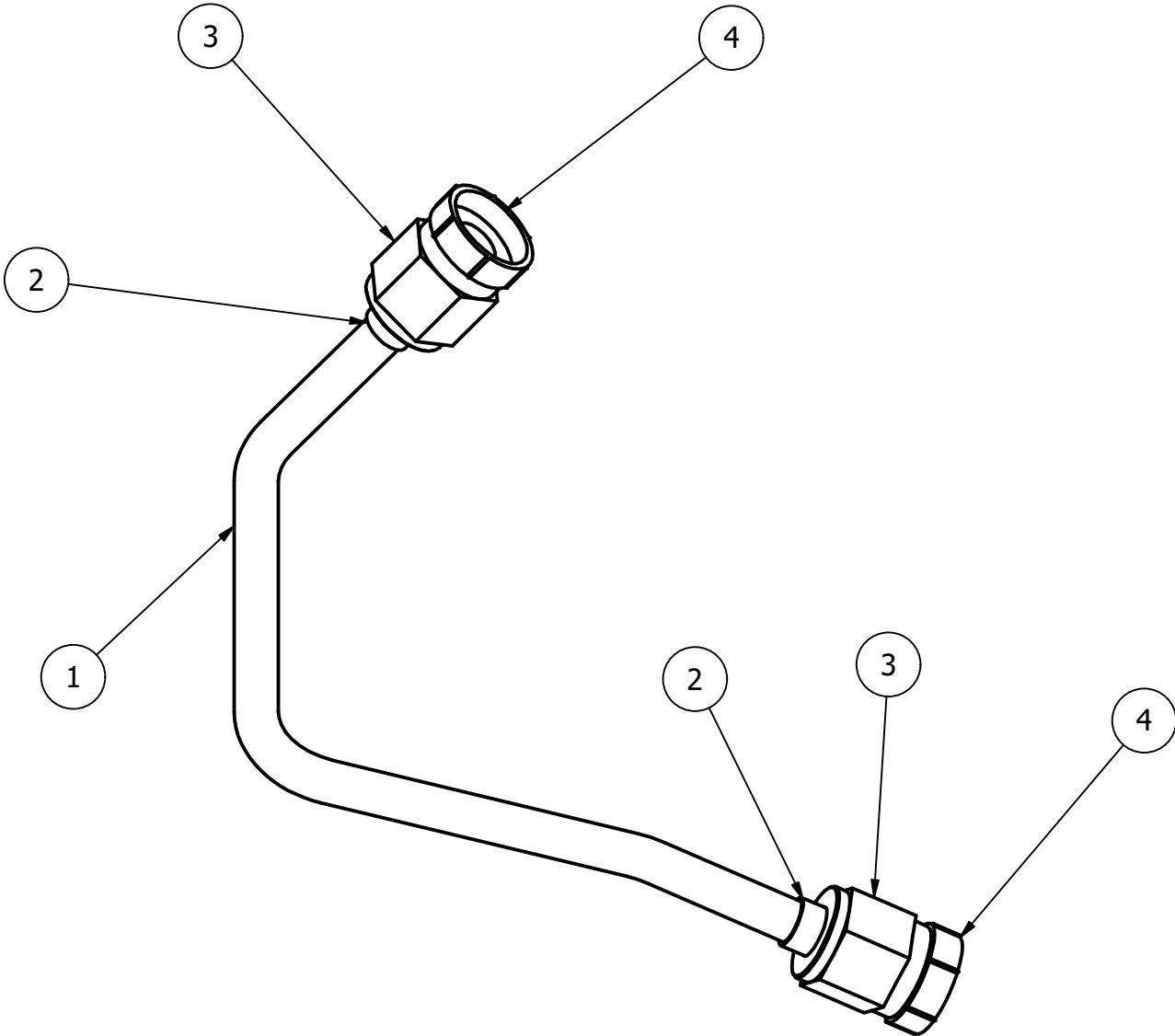
-5 TUBE ASSEMBLY




PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5433-19	1/4" TUBE
3	2	AN818-4D	NUT
2	2	AN819-4D	SLEEVE
4	2	PD40	CAPLUG - 1/4" X 7/16-20

NOTE:  
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

-6 TUBE ASSEMBLY



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	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	ZA			7/30/18	A	
				DO NOT SCALE DRAWING		
	3RD ANGLE PROJECTION			© 2019 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.		

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PROTO

BEND #	BEND TO BEND LENGTH	RELATIVE TANGENT ANGLE	BEND ANGLE
1	1.488	0	22.871
2	1.772	-168.856	119.257
3	1.143	88.832	8.385

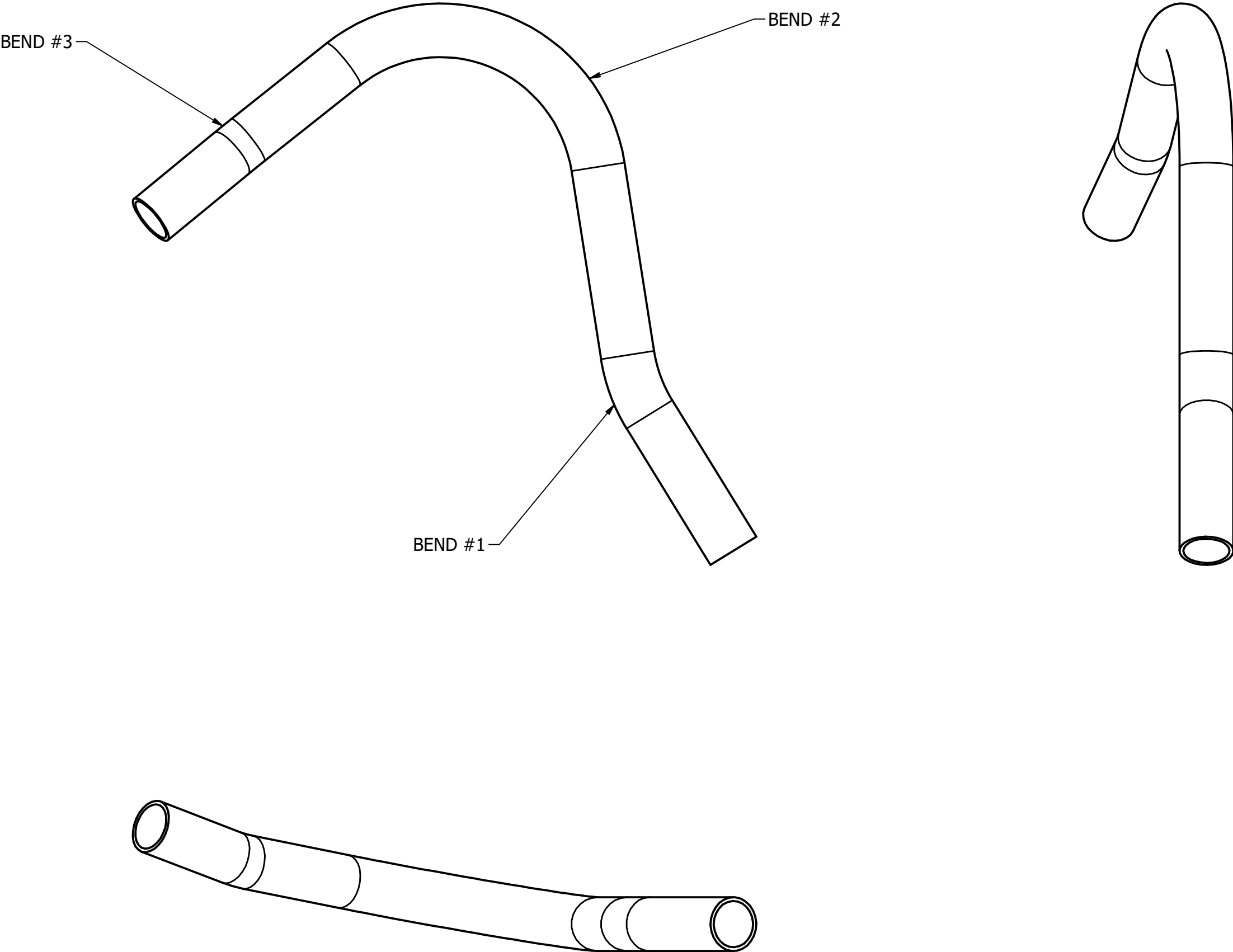
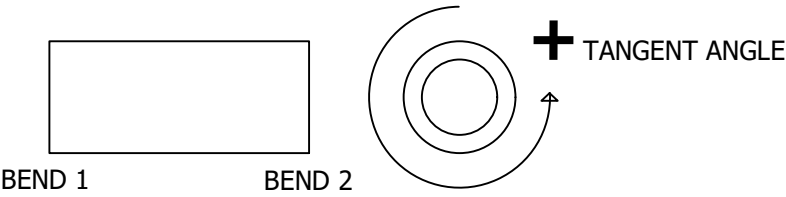
-17 TUBE


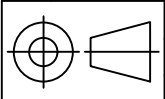
MATERIAL: 5052-0 AL, 1/2 X 0.035W SEAMLESS PER WW-T-700/4

NOTES:

1. MARK BEND #3 TANGENT ANGLE USING BENDING MACHINE (MARK AT 90° OR 180° OFFSET IF NECESSARY), PERFORM BEND #3 USING HAND TUBE BENDER

FINAL TUBE SEGMENT LENGTH = 1.004 INCHES  
TOTAL TUBE LENGTH WITHOUT FLARES = 9.35 INCHES  
BEND RADIUS: 1.5 INCHES



	TITLE PLUMBING TUBE AND HOSE PARTS				DRAWING NUMBER 505AC-5433	
	DRAWN BY ZA	CHK'D BY	APRVD BY	DATE 7/30/18	REV A	ECO
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°		DO NOT SCALE DRAWING			SHEET 3 OF 10	
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PROTO

THREADS:  
INTERNAL: CLASS 2B  
EXTERNAL: CLASS 2A

3RD ANGLE  
PROJECTION

## D

D

CUT LENGTH: 8.67 INCHES

## C

- C



A

B

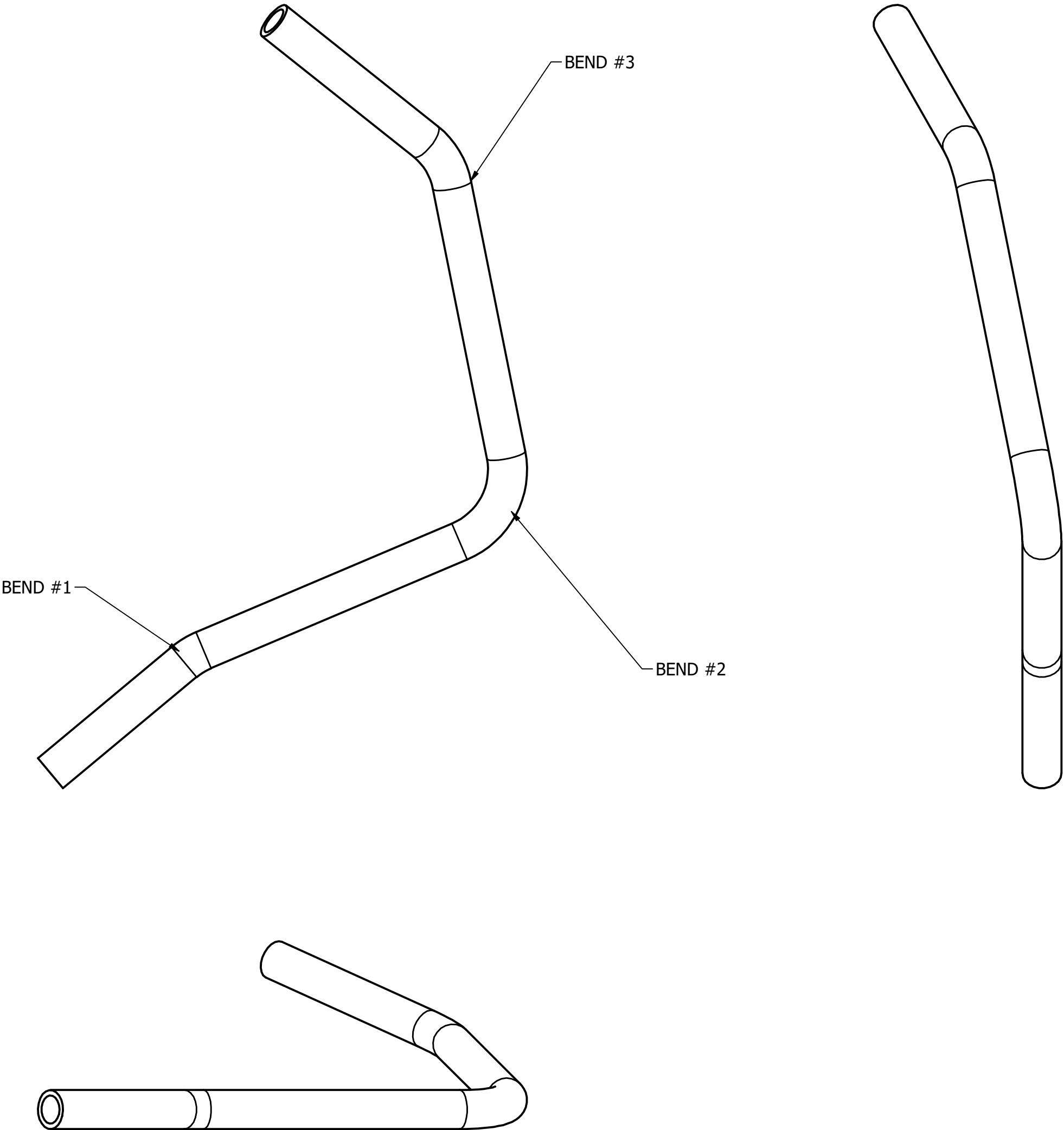
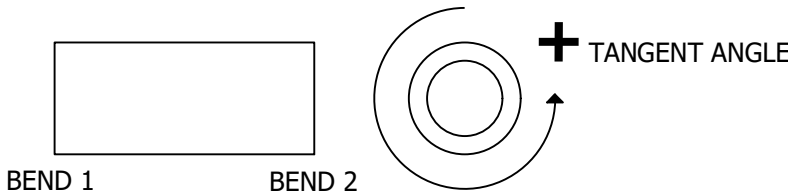
PROTCA

BEND #	BEND TO BEND LENGTH	RELATIVE TANGENT ANGLE	BEND ANGLE
1	1.113	0	17.766
2	1.781	-168.704	78.551
3	1.794	15.114	39.585

-19 TUBE

MATERIAL: 5052-0 AL, 1/4 X 0.035W SEAMLESS PER WW-T-700/4

FINAL TUBE SEGMENT LENGTH = 1.32 INCHES  
TOTAL TUBE LENGTH WITHOUT FLARES = 7.19 INCHES  
BEND RADIUS: 0.5 INCHES



Paravion <sup>®</sup> Technology Inc.		TITLE PLUMBING TUBE AND HOSE PARTS		DRAWING NUMBER 505AC-5433	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°		DRAWN BY ZA	CHK'D BY	APRVD. BY	DATE 7/30/18
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A		DO NOT SCALE DRAWING		SHEET 5 OF 10	
		3RD ANGLE PROJECTION		© 2019 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.	

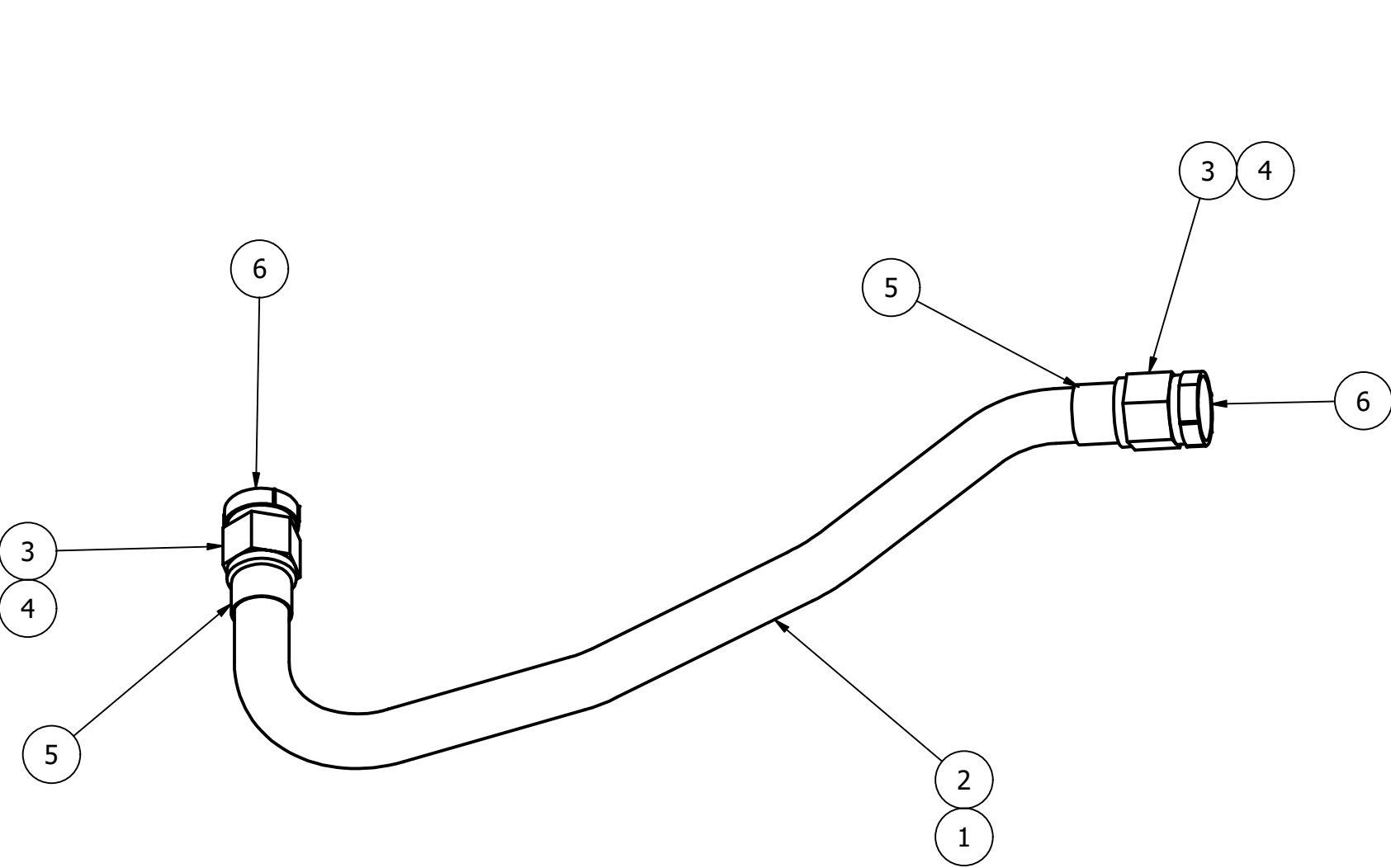
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PROTO

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5433-22	1/2" TUBE
2	1	505AC-5433-23	FIRESLEEVE
3	2	AN818-8D	NUT
4	2	AN819-8D	SLEEVE
5	2	ES39502-2	FERRULE
6	2	PD80	CAPLUG - 1/2" X 3/4-16

NOTE:  
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

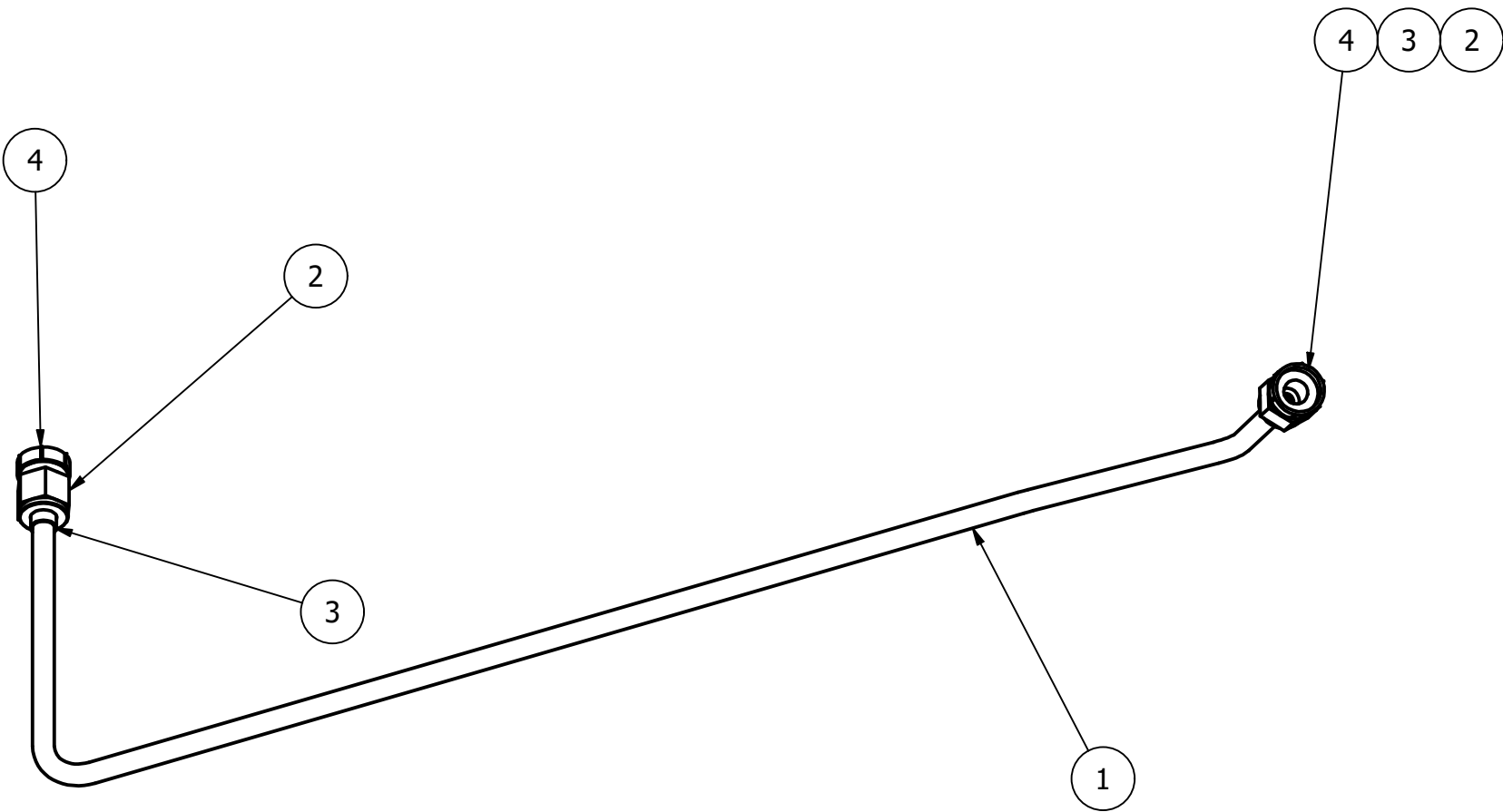
-7 TUBE ASSEMBLY



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	505AC-5433-24	1/4" TUBE
2	2	AN818-4D	NUT
3	2	AN819-4D	SLEEVE
4	2	PD40	CAPLUG - 1/4" X 7/16-20

NOTE:  
FLARE BOTH ENDS OF TUBE PER AS4330 AT ASSEMBLY.

-8 TUBE ASSEMBLY



<div>Paravion<sup>®</sup> Technology Inc.</div>	TITLE		DRAWING NUMBER	
	PLUMBING TUBE AND HOSE PARTS		505AC-5433	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°	DRAWN BY	CHK'D BY	APRVD. BY	DATE
	ZA			7/30/18
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A	DO NOT SCALE DRAWING		SHEET	
	3RD ANGLE PROJECTION		6 OF 10	

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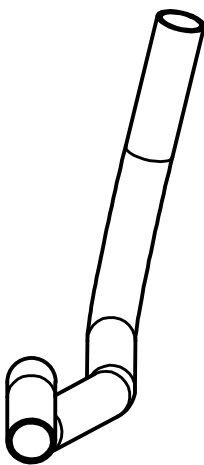
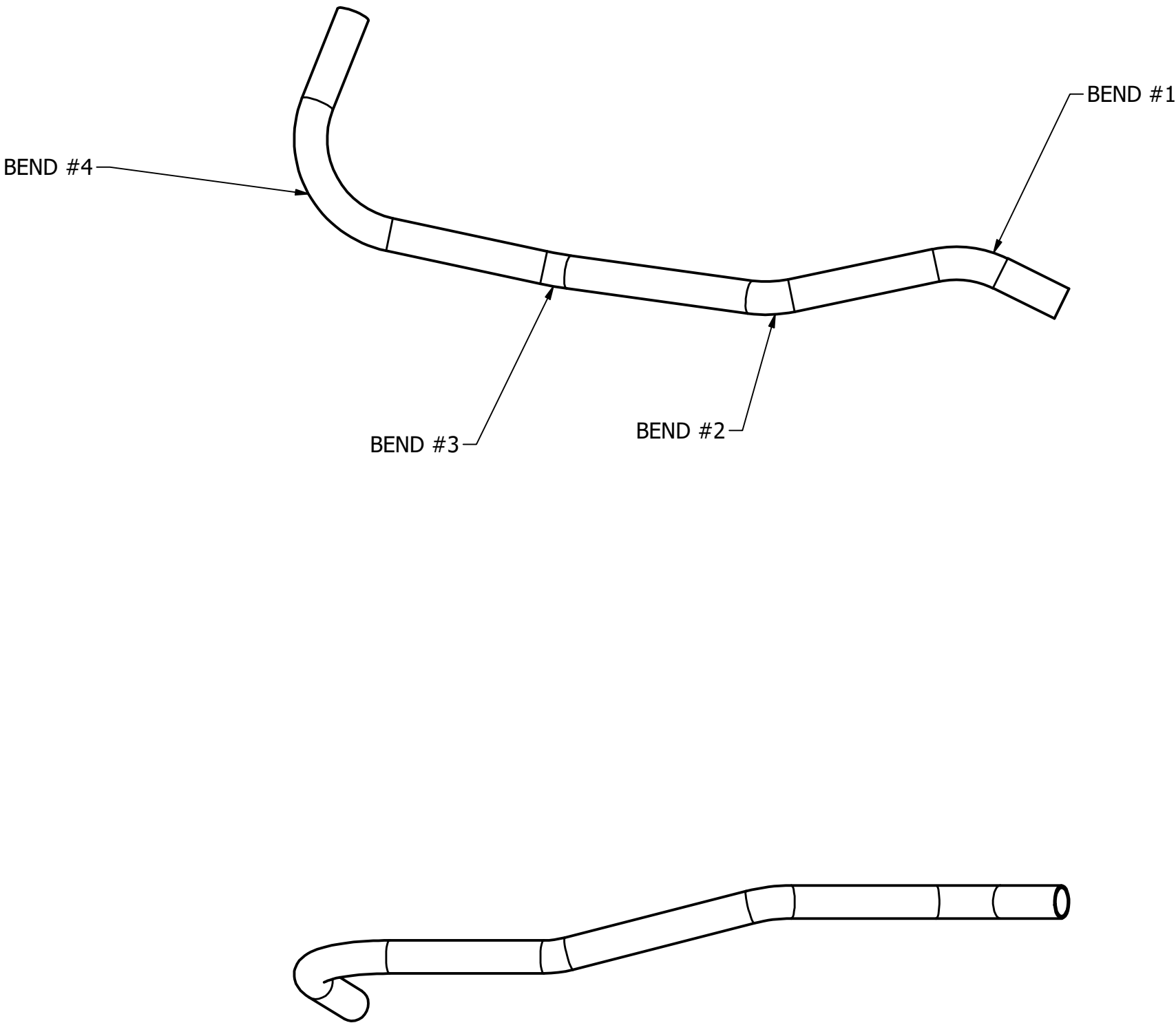
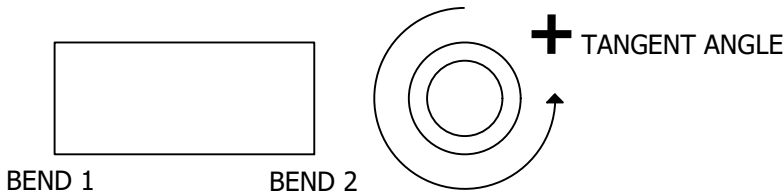
PROTO

BEND #	BEND TO BEND LENGTH	RELATIVE TANGENT ANGLE	BEND ANGLE
1	1.034	0	38.194
2	2.237	-143.031	24.183
3	2.858	-107.758	14.822
4	2.388	86.799	99.358

-22 TUBE

MATERIAL: 5052-0 AL, 1/2 X 0.035W SEAMLESS PER WW-T-700/4

FINAL TUBE SEGMENT LENGTH = 1.498 INCHES  
TOTAL TUBE LENGTH WITHOUT FLARES = 14.64 INCHES  
BEND RADIUS: 1.5 INCHES



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	DRAWN BY ZA	CHK'D BY	APRVD. BY	DATE 7/30/18	REV A	ECO
	DO NOT SCALE DRAWING				SHEET	
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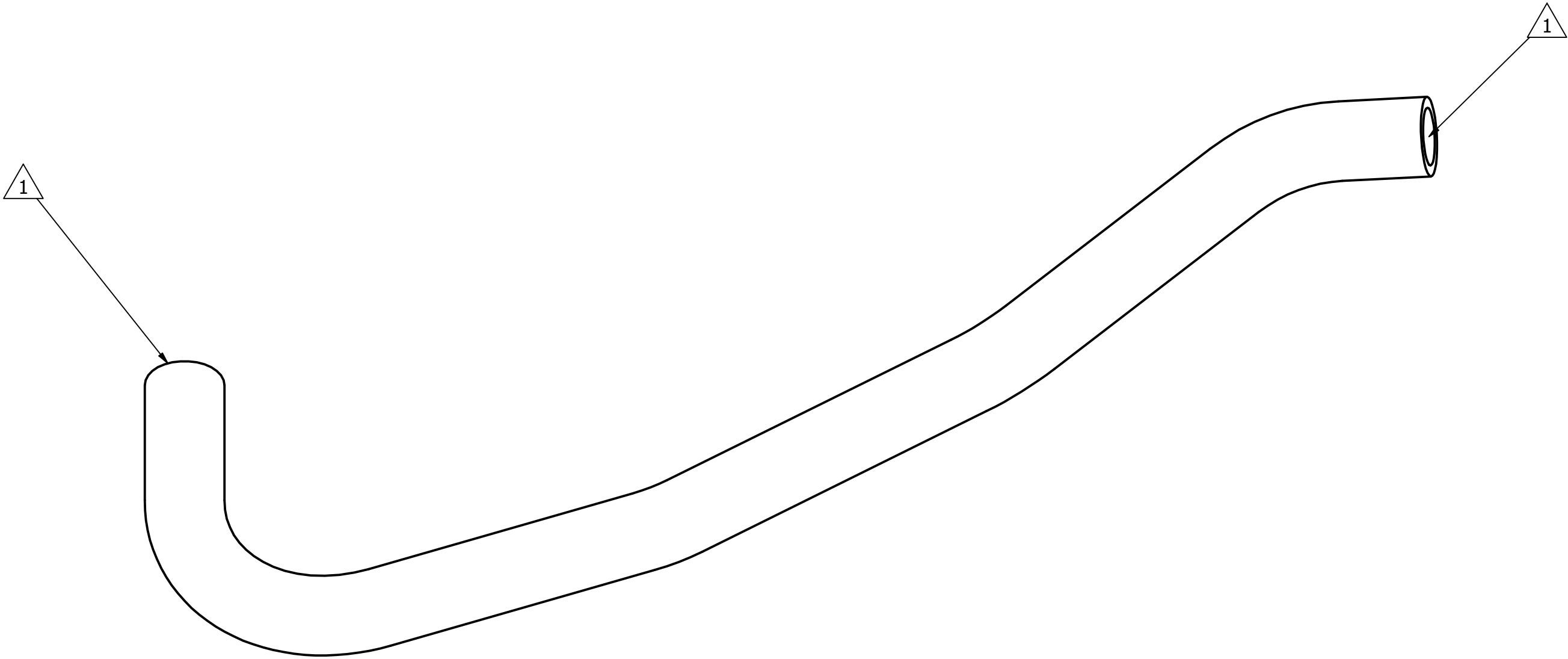


-23 FIRESLEEVE

MATERIAL:  
18050-X THERMOTEC COOL-IT BLACK FIRE SLEEVE (1/2" DIA) OR EQUIV. PER AS1072 AND  
UL94 V1 BURN TEST. A FIBERGLASS/SILICONE RUBBER MATERIAL.

CUT LENGTH: 13.96 INCHES

- NOTES:
- 1. APPLY END DIP TO FIRESLEEVE ENDS, PARKER P/N 5027 (OR EQUIV.).
  - 2. FIRESLEEVE: THERMO-TEC AUTOMOTIVE PRODUCTS  
P.O. BOX 96  
GREENWICH, OH 44837  
(800) 274-8437



<div>Paravion<sup>®</sup> Technology Inc.</div>	TITLE				DRAWING NUMBER	
	PLUMBING TUBE AND HOSE PARTS				505AC-5433	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ±.1 .XX = ±.05 .XXX = ±.010 ANGLES = ± 1°	DRAWN BY	CHK'D BY	APRVD. BY	DATE	REV	ECO
	ZA			7/30/18	A	
	DO NOT SCALE DRAWING				SHEET	
THREADS: INTERNAL: CLASS 2B EXTERNAL: CLASS 2A	3RD ANGLE PROJECTION		© 2019 PARAVION TECH. INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY INC.			8 OF 10

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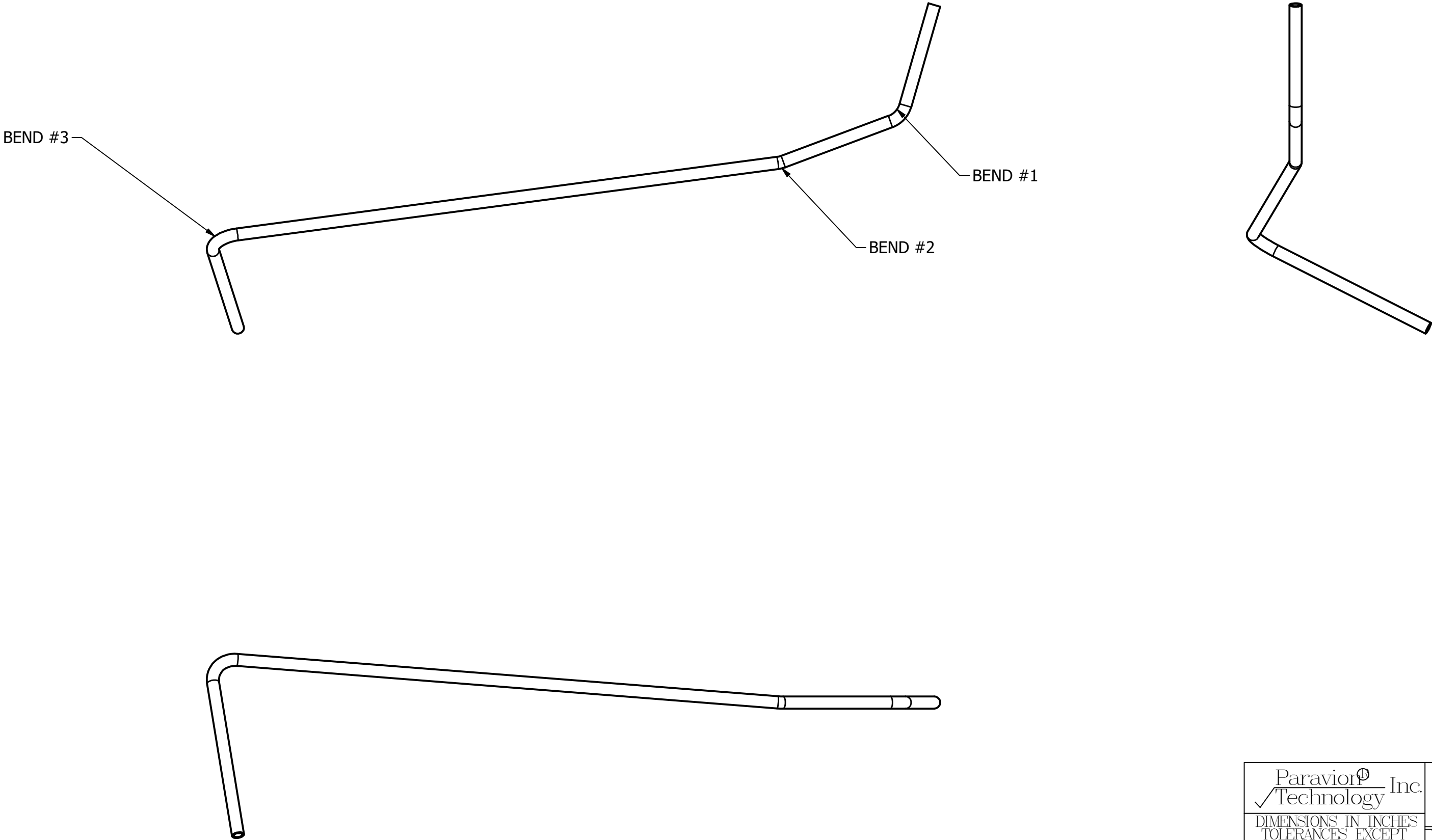
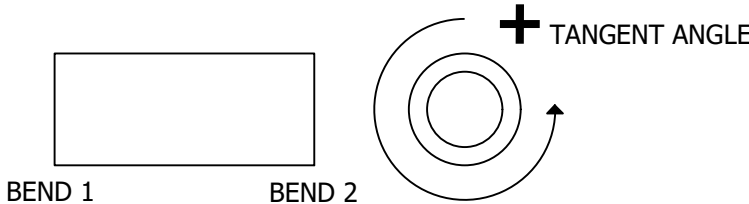


BEND #	BEND TO BEND LENGTH	RELATIVE TANGENT ANGLE	BEND ANGLE
1	2.136	0	53.483
2	2.339	-19.189	13.65
3	11.176	136.619	97.784

-24 TUBE

MATERIAL: 5052-0 AL, 1/4 X 0.035W SEAMLESS PER WW-T-700/4


FINAL TUBE SEGMENT LENGTH = 3.529 INCHES  
TOTAL TUBE LENGTH WITHOUT FLARES = 20.619 INCHES  
BEND RADIUS: 0.5 INCHES



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	DRAWN BY	CHK'D BY	APPR'D BY	DATE	REV	ECO
	ZA			7/30/18	A	
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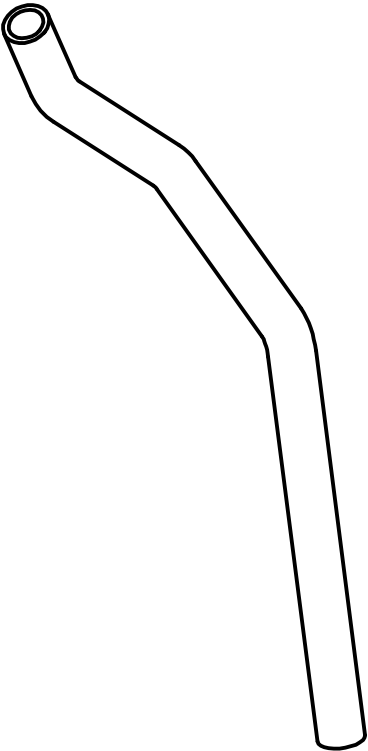


3RD ANGLE  
PROJECTION

SHEET  
9 OF 10

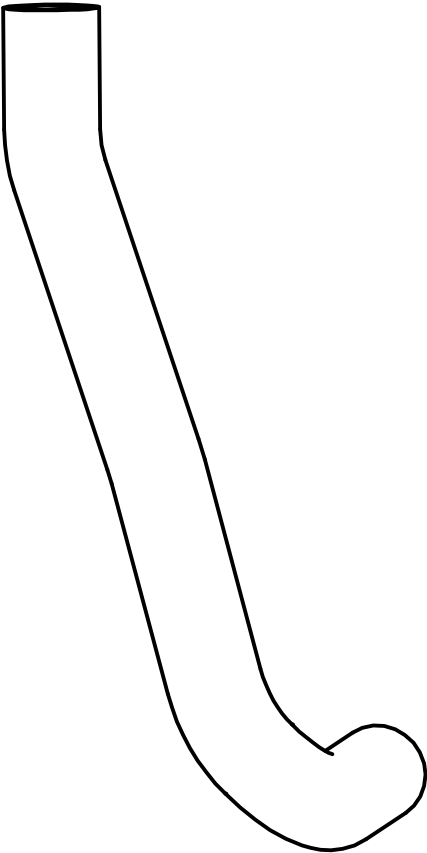
**-31 BOTTOM DRAIN HOSE**

MAKE FROM: 3/8"ID X 1/2"OD CLEAR PVC TUBING, PER UL94 FLAME CLASS HB  
CUT LENGTH: 11.5"



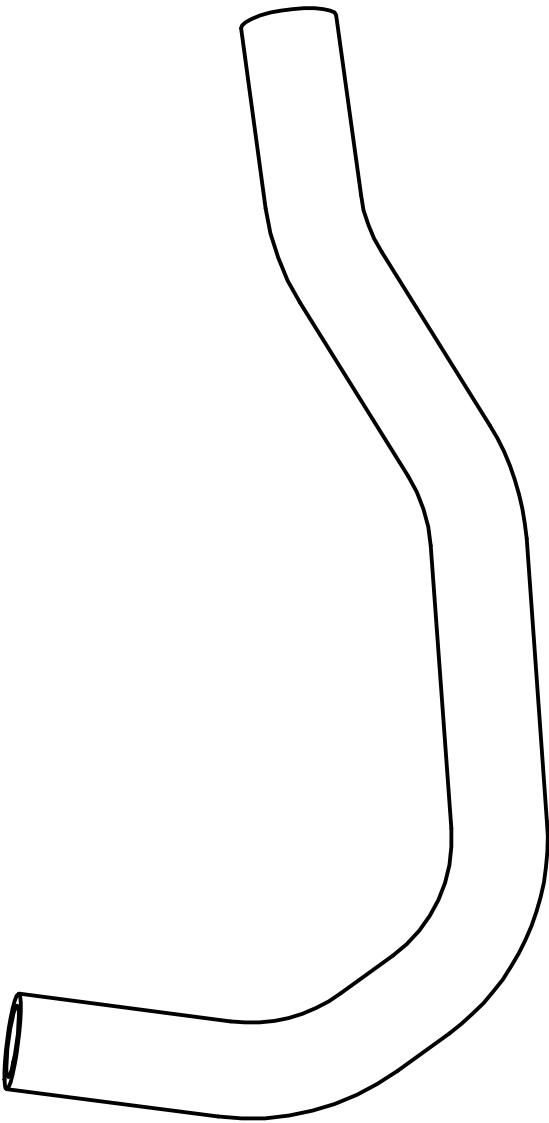
**-32 SIDE DRAIN HOSE**


MAKE FROM: 3/8"ID X 1/2"OD CLEAR PVC TUBING, PER UL94 FLAME CLASS HB  
CUT LENGTH: 6.5"



**-33 T-FITTING HOSE**

MAKE FROM: 3/8"ID X 1/2"OD CLEAR PVC TUBING, PER UL94 FLAME CLASS HB  
CUT LENGTH: 7.5"



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	ZA			7/30/18	A	
	DO NOT SCALE DRAWING					
		3RD ANGLE PROJECTION			SHEET 10 OF 10	
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